

CLAIMS

1. A display device characterized in that a pixel portion in which a pixel is arranged in matrix on a substrate,
- 5 wherein the pixel comprises a first light emitting element and a second light emitting element;
- the first light emitting element emits light in only one direction perpendicular to a surface of the substrate on which the pixel portion is formed; and
- 10 the second light emitting element emits light in only one direction which is opposite to the one direction and perpendicular to the surface of the substrate on which the pixel portion is formed.
2. A display device characterized in that a pixel portion in which a pixel is
- 15 arranged in matrix on a substrate,
- wherein the pixel comprises a first light emitting element and a second light emitting element;
- the first light emitting element emits light in only one direction perpendicular to a surface of the substrate on which the pixel portion is formed;
- 20 and
- the second light emitting element emits light in only one direction which is opposite to the one direction and perpendicular to the surface of the substrate on which the pixel portion is formed,
- the display device comprising:
- 25 a means for selecting either of the two directions in which the first light emitting element and the second light emitting element emit light; and
- a means for selecting both of the two directions.

3. A display device characterized in that a pixel portion in which a pixel is
- 30 arranged in matrix on a substrate,

wherein the pixel comprises a first light emitting element and a second light emitting element;

the first light emitting element emits light in only one direction perpendicular to a surface of the substrate on which the pixel portion is formed;

5 the second light emitting element emits light in only one direction which is opposite to the one direction and perpendicular to the surface of the substrate on which the pixel portion is formed;

a source signal line driver circuit, a first gate signal line driver circuit and a second gate signal line driver circuit are formed on the surface of the substrate on
10 which the pixel portion is formed; and

a scan direction of the first gate signal line driver circuit is orthogonal to that of the second gate signal line driver circuit.

4. A display device characterized in that a pixel portion in which a pixel is
15 arranged in matrix on a substrate,

wherein the pixel comprises a first light emitting element and a second light emitting element;

the first light emitting element emits light in only one direction perpendicular to a surface of the substrate on which the pixel portion is formed;
20 and

the second light emitting element emits light in only one direction which is opposite to the one direction and perpendicular to the surface of the substrate on which the pixel portion is formed,

the display device comprising:

25 a means for selecting either of the two directions in which the first light emitting element and the second light emitting element emit light; and

a means for selecting both of the two directions,

wherein a source signal line driver circuit, a first gate signal line driver circuit and a second gate signal line driver circuit are formed on the surface of the
30 substrate on which the pixel portion is formed; and

a scan direction of the first gate signal line driver circuit is orthogonal to that of the second gate signal line driver circuit.

5 5. The display device of any one of claims 1 to 4, is characterized in that the first light emitting element comprises a first pixel electrode, an organic compound layer and a counter electrode; and the second light emitting element comprises a second pixel electrode, the organic compound layer and the counter electrode.

10 6. The display device of any one of claims 1 to 4, is characterized in that the display device comprising:

a means for selecting whether the first light emitting element emits light or no light; and

15 a means for selecting whether the second light emitting element emits light or no light.

20 7. The display device of claim 1 or 2, is characterized in that a source signal line driver circuit, a first gate signal line driver circuit and a second gate signal line driver circuit are formed on the surface of the substrate on which the pixel portion is formed; and

a scan direction of the first gate signal line driver circuit is orthogonal to that of the second gate signal line driver circuit.

25 8. An electronic device characterized by using the display device according to any one of claims 1 to 4.